Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/11/2017 10:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124210	-1	1.83	124063	1.84
Blue	F	SSC	125000	124835	-1	2.70	125170	2.42
Blue	E	FITC	22946	22088	-4	2.47	978	10.09
Blue	D	PE	28770	28099	-3	1.95	1006	9.41
Blue	B	PerCP-Cy5-5	51099	50245	-2	3.24	1448	16.76
Blue	A	PE-Cy7	42312	41781	-2	4.96	646	35.39
Red	C	APC	52169	51506	-2	2.84	2983	9.62
Red	A	APC-Cy7	56705	55830	-2	3.01	1153	11.31
Violet	B	V450	14708	14070	-5	4.95	671	9.30
Violet	A	V500	58608	57011	-3	4.87	2519	6.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19939	6.11	604	6	N/A	N/A	Pass
Blue	F	SSC	62114	1.58	534	16	N/A	N/A	Pass
Blue	E	FITC	111	37.06	537	6	0.0215	99	Pass
Blue	D	PE	220	27.69	534	8	0.1730	226	Pass
Blue	B	PerCP-Cy5-5	231	43.46	632	10	0.0102	71	Pass
Blue	A	PE-Cy7	70	117.49	681	10	0.0119	13	Pass
Red	C	APC	347	27.68	595	5	0.0194	34	Pass
Red	A	APC-Cy7	127	41.78	581	5	0.0056	2007	Pass
Violet	B	V450	81	42.14	466	7	0.0506	2115	Pass
Violet	A	V500	183	23.67	495	7	0.0166	968	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.00	-30.60	0.86
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	15.13	13.27 - 19.91	N/A	N/A	30.72	31.22	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11515

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments